

Exterior Jointing Grout Installation Guide Porcelain Paving



General Information

On delivery, the product should be inspected. If there are any issues, please report them immediately and do not commence installation.

Please Note: The installation of Marshalls Exterior Jointing Grout is a skilled operation, and should not be attempted by anyone who has not had the appropriate training and does not have the correct skill level.



Health and Safety Information

Safe working practices should be employed at all times during the jointing process and all necessary Personal Protective Equipment (PPE) should be worn, as contact with any cementitious product can cause skin and eye irritation and in extreme cases, burns, without the correct PPE being worn.



Before you begin

As this is a rapid setting cementitious grout, working time varies depending on ambient temperature, humidity on the day of install and chosen product. Please be aware, as Porcelain paving is impervious, curing times will be longer.

Depending on ambient temperature, the average working time is approximately 5 - 15 minutes – warmer temperatures significantly reduce working time and lower temperatures will increase working time. We strongly recommend you **DO NOT** apply this product when the ambient temperature is **over 25°C or below 3°C** and rising (please ensure you consider night time temperature drops), as the product will not perform as expected.

On large plan size projects, the inclusion of expansion joints should be accommodated at planning stage.

Paving should be laid on a rigid sub base before the application of Marshalls Exterior Jointing Grout. In all cases, create a sump in which to direct and wash excess material; do not allow any excess material to flow into existing drainage system.

Test the product with a small trial area before you complete the full installation, to ensure compatibility with the chosen paving. Issues arising from a failure to test the grout with the chosen paving will be at the liability of the installer and not Marshalls Plc.

Ensure the paving surface is clean, the joints are free from debris and water and the bedding mortar is removed to the full depth of the paving unit.

Coat the paving surface with a spray of water and remove any excess water from the joints with a leaf blower



Ensure no pooling water is left on the product face or in the joint as this can lead to over dilution of the product and weakening of the final joint.



Jointing

In all cases ensure the surface is kept damp to aid installation. In warmer weather wetting down must be done more frequently. Failure to do so can result in staining or picture framing.

Work with only one 25kg bag at any one time. Always mix a full bag using a 110v paddle mixer. Add 4.25L of water to a full bag of Marshalls Exterior Jointing Grout and mix for 3 - 5 minutes until a smooth lump-free workable consistency has been achieved. Clean mixing tools immediately after use and between mixes.

Use the product immediately after mixing. Do not store any mixed product.

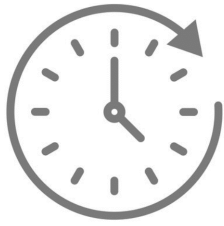
Expel the mix onto the paving area in one pour. Work quickly to apply the grout using a rubber or neoprene squeegee, working the material diagonally into the joints.



Always keep the surface slightly wet during install, using a soft spray of water.

Move the grout constantly over the surface until joints are fully filled. Then repeat to top up any hungry joints.

When joints are full, use the rubber squeegee to remove as much of the product as possible from the surface of the paving material.



Curing Time

Leave the grout to cure for approximately 15 minutes (at 20°C) or until you feel resistance in the joint. Test for this by pressing lightly with a finger and if the grout has started its initial cure, there will be some resistance.



Curing times will be dependent on ambient temperature (colder temperatures will reduce curing times; warmer temperatures will increase them).

Once the resistance point has been reached or the product has achieved its initial set, the surface should be cleaned down using a squeegee, Wash Boy or brush (dependent on surface texture) and copious amounts of clean water. Cleaning must be carried out thoroughly and no grout must be allowed to remain on the surface of the paving.



Please Note

On Porcelain paving the initial cure will take longer due to the non-porous nature of the product, so wash down can commence much sooner.

This means a Wash Boy and Sponge or Belt Cleaner can be used almost immediately after application without having to wait for the resistance point to be achieved.

Always clean on a 45-degree angle to avoid any of the product being removed from the joint and ensure the water is regularly changed to avoid cement staining on the paving surface. Cleaning must be carried out thoroughly and no grout must be allowed to remain on the surface of the paving.



We **STRONGLY RECOMMEND** a light power wash is undertaken to the area 24 hours after the jointing installation is complete for a final clean down. **Failure to do so could result in a white residue or staining on the paving.**